# *ThermalAir* External Purge Heater Module
## An Evolution in Localized Temperature Test Systems



**More Technology**
**More Control**
**More Innovation**
**More Solutions**

## Performance Plus!

### *ELIMINATE EXTERNAL FROST & MOISTURE AT UTIMATE COLD TEMPERATURE TEST SET POINTS*

- Temperature is maintained at +65°C.

- A pressure regulator for convenient user-operation to adjust output airflow up to 20 SCFM

- Quiet low audible noise for engineering laboratory

- LED Status On/Off Indicator

## Features and Advantages

- Intuitive user interface lets operator control settings manually.

- Manual flow & power adjustment
    - Breaker power On/Off
    - Air switch button
    - Pressure regulator

- Easily attached to TA-5000 System of Wall Mount

## Versatile Ways of Placement



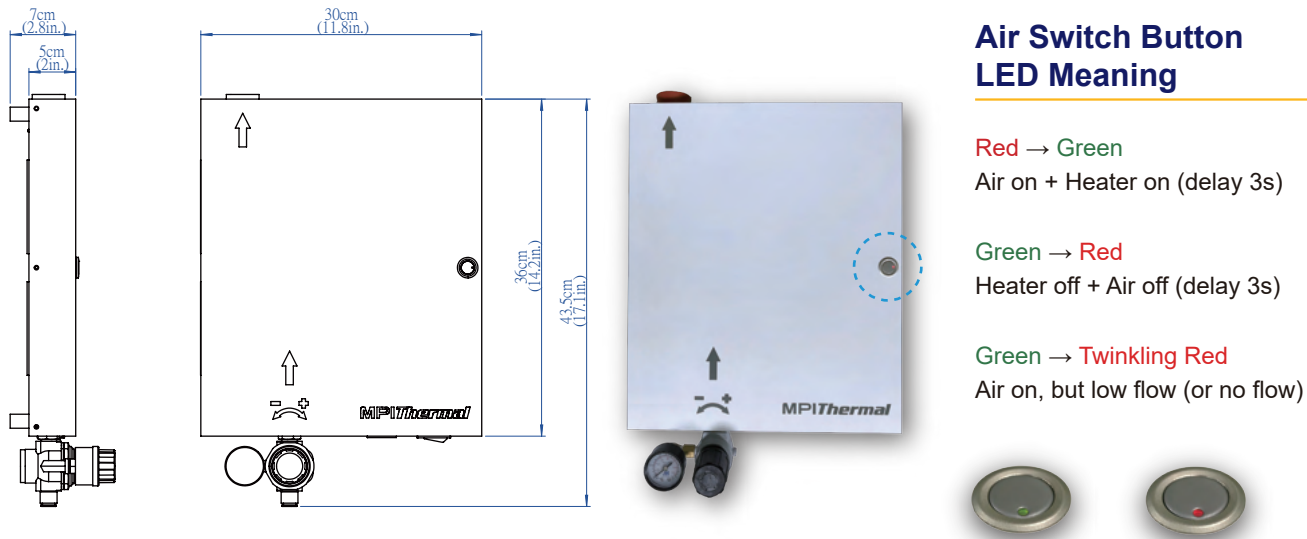• Attached to rear of TA-5000    • On top of TA-5000    • Attached bolted to wall

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# ThermalAir External Purge Heater Module   Specifications
## Temperature Conditioning System

### Air Switch Button LED Meaning

Red → Green
Air on + Heater on (delay 3s)

Green → Red
Heater off + Air off (delay 3s)

Green → Twinkling Red
Air on, but low flow (or no flow)

## Specifications

### Temperature Performance & Airflow Capacity

| | |
|---|---|
| Output Temperature | +65°C |
| Output Temperature with 3m Tube (with isolation) | +55°C |
| Temperature Accuracy | ±5°C |
| Temperature Air Output System | 5 to 20 SCFM (2.4 l/s to 9.4 l/s) Continuous |
| Air Connection | Input OD Ø12 Nylon Tube |
| | Output OD Ø12 Nylon Tube (with isolation) |
| | or Output interface for OD Ø6 Nylon Tube (with isolation) |

### Facility Requirements / Dimensions & Weights / Compressed Air

| | |
|---|---|
| Base Unit & System Weight | W= 30.0cm (11.8inch) , D= 43.5cm (17.1inch) , H= 7.0cm (2.8inch) |
| | Un-packed : 4.0kg (8.8 lbs) / Packed : 5.8kg (12.8lbs) |
| Power | 220VAC , 60 / 50 Hz , 3amp , 1 phase |
| Over-temp Protection | Air in pressure sensor monitor [Hardware] |
| | Snap disc over-temp monitor [Hardware] |
| | Air out over-temp monitor [Software] |
| User Interface | - Breaker power On/Off |
| | - Air switch button |
| | - Pressure Regulator |
| Input Air Pressure | 80 to 110 psi (5.5 to 7.6 bar) |
| Input Air Temperature | +15°C to +25°C , +22°C nominal |

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